CMS Simulation (LHE) 13 TeV 0.04 Fraction of events / 0.1 $pp \rightarrow h \rightarrow 2n_{1} \rightarrow 2n_{D} + 2~\gamma_{D} \rightarrow 2n_{D} + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_1} = 10 \text{ GeV}, m_{n_2} = 1 \text{ GeV}$ $m_{\gamma_D} = 0.25 \text{ GeV}, c\tau_{\gamma_D} = 3. \text{ mm}$ — 1st muon (leading p_⊤)
— 2nd muon
— 3rd muon 0.03 - · - 4th muon 0.02 0.01 -3 3 -5